

ABSTRACT OF THE DISCLOSURE

A communication system including a security system, and a method of controlling a communication system. The communication system includes a communication network having a plurality of nodes, a server connected to a first one of the nodes, and a client processor. A magnetic medium within the client processor stores the security system for connecting the client processor to the communication network for communication with the server. The security system includes a transmission control protocol for controlling communication between an application on the client processor and the communication network and a security classifier for coupling the transmission control protocol to the communication network and determining a security classification for the client processor. A security association negotiator is responsive to the client processor opening a socket at a node of the communication network, for correlating the socket with a security association based on the determined security classification. A network interceptor couples the client processor with the transmission control protocol and is responsive to the socket being closed for deleting the security association. In accordance with the method, the completion status of the communication is monitored. Upon completion of the communication, the socket is closed, and in response to closing of the socket, the correlation of the security association with the socket is terminated.